

ABSTRACT

A dielectric antenna is provided which uses a compounded material and exhibits a small change in relative dielectric constant at room temperature against a load due to temperature changes.

The dielectric antenna at least includes a dielectric block, and a radiation electrode, a feeding electrode and a fixing electrode that are provided to the dielectric block. The dielectric block contains a crystalline thermoplastic resin, ceramic powder, and an acid-modified styrenic thermoplastic elastomer. The acid-modified styrenic thermoplastic elastomer content in the dielectric block is 3% to 20% by volume.